Question Paper
ANMC Question Paper 2017 - Class 7

Exam ID : TEST/2024/03/03181937 Report Generation Date : 3/26/2024 3:02:08 PM

Q1: x% of 220 + 35% of 70 = 136.7, then the value of x is:

A: 47

B: 53

C: 49

D: 51

Answer: D

Q2: A book was sold for Rs. 13.20 with a profit of 10%. If it were sold for Rs.13, then what would have been the percentage of profit or loss?

A: 8 2/3%

B: 8 1/3%

C: 8%

D: 8 1/4%

Answer: B

Q3: What is 10% of 10% of (1/10)?

A: 1.00

B: 0.01

C: 0.001

D: 0.10

Answer: C

Q4: A sum of Rs.1500 was lent partly at 3% and partly at 5% p.a. simple interest. The total interest received after 3 years was Rs.180. The ratio of the money lent at 3% to that lent at 5% is:

A: 2:1

B: 1:1

C: 1:2

D: 3:2

Answer: B

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Q5: A man sells a mare at Rs. 7440 making a loss of 7%. The cost of the mare is:

A: Rs.7900

B: Rs.7800

C: Rs.8000

D: Rs.7990

Answer: C

Q6: A bag contains 1 rupee, 50p, 25p coins in the ratio 3 : 5 : 8, amounting to Rs. 450. Find the total number of coins.

A: 900

B: 960

C: 940

D: 990

Answer: B

Q7: Evaluate the following: (2/3) + (3/4 ÷ 6/7 ÷ 21/8)

A: 59/48

B: 1

C: 12/49

D: 5/3

Answer: B

Q8: Find: 6/5 + 17/9 × 18/51

A: 1 14/15

B: 1 13/15

C: 2 13/15

D: 2 14/15

Answer: B

Q9: Which of the following rational numbers lies between 8/5 and 13/10?

A: 7/5

B: 6/5

C: 17/10

D: 11/10

Answer: A

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Q10: If a = 26, b = 27 and c = 29 then find a3 + b3 + c3 - 3abc.

A: 536

B: 438

C: 648

D: 574

Answer: D

Q11: If (a-b) = 4, (b-c) = 7 and (c-a) = 3 then the value of (a3+b3+c3-3abc)/(a+b+c) is:

A: 37

B: 74

C: 46

D: 84

Answer: A

Q12: If x + 1/x = 3 then the value of x3 - 1/x3 is:

A: sqrt(5)

B: 8 sqrt(5)

C: 27

D: 30

Answer: B

Q13: If a3 + b3 = 210 and a + b = 30, then the value of (a2 + b2 - ab) is:

A: 7

B: 4

C: 8

D: 5

Answer: A

Q14: Express 2/3 of 1/4 of Rs.25 as a fraction of 1 1/4 of Rs. 36

A: 5/54

B: 5/24

C: 26/5

D: 5/36

Answer: A

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Q15: 4/5 of 2/3 of 5/6 of 5/8 of 1008 is:

A: 240

B: 260

C: 320

D: 280

Answer: D

Q16: If one is added to the numerator of the fraction it becomes one. If one is added to the denominator of the fraction it becomes 1/3. The fraction is?

A: 4/5

B: 2/3

C: 1/2

D: 2/7

Answer: C

Q17: In a town, 24% of people like coffee, 20% of people like tea, and the rest of the people like juice. If there are 600 people in the town, then how many people like Juice?

A: 363

B: 326

C: 336

D: 346

Answer: C

Q18: On one day a rickshaw puller earned $160. Out of his earnings he spent $128/5 on tea and snacks, $103/2 on food and $82/5 on repairs of the rickshaw. How much did he save on that day?

A: $131/2

B: $133/2

C: $135/2

D: $137/2

Answer: B

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Q19: Find the cost of 23/5 meters of cloth at Rs. 137/4 per meter.

A: Rs. 3151/20

B: Rs. 3141/20

C: Rs. 3171/20

D: Rs. 3131/20

Answer: A

Q20: Which of the following forms a pair of equivalent rational numbers?

A: 28/35 and 36/45

B: 36/42 and 30/36

C: 40/45 and -35/40

D: -27/36 and -18/27

Answer: A

Q21: Find: 36/7 + 17/7 × 35/68

A: 169/28

B: 173/28

C: 165/28

D: 179/28

Answer: D

Q22: If x + y + z = 7 and x2 + y2 + z2 = 41 then find the value of (x3 + y3 + z3 - 3xyz)1/2

A: 16

B: 2591/2

C: 2551/2

D: 17

Answer: B

Q23: If a2 – b2 + c2 = 0, then the value of 2(a6 + c6 – b6)/3(a2 + c2):

A: a2c2

B: -2a2c2

C: 2a2b2

D: -b2c2

Answer: B

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Q24: If a + b + c = 21, then find the value of
(a – 3)3 + (b – 6)3 + (c – 12)3 – 3(a – 3)(b – 6)(c – 12) + 1

A: 0

B: 2

C: -2

D: 1

Answer: D

Q25: If (x + y) = 1 and (3/x) – 3y = 6/x then find the value of x2 + y2

A: 4

B: 2

C: 3

D: 1

Answer: C

Q26: If a2 + b2 + c2 = 2(2a - b - 2c - 4) -1, then the value of (a - b + c + 2) is:

A: 1

B: 4

C: -1

D: 3

Answer: D

Q27: What is the square of product of 31/129 and its reciprocal?

A: 4/9

B: 1/4

C: 1/9

D: 1

Answer: D

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Q28: Divide 7/12 by (2/5 of 5/8)

A: 5/2

B: 5/3

C: 11/6

D: 7/3

Answer: D

Q29: Solve: 23 1/3 × 12 3/5

A: 292

B: 276

C: 286

D: 294

Answer: D

Q30: In a class of 60 students, one day 1/5 of the students were absent. Find the number of present students on that day.

A: 48

B: 52

C: 50

D: 45

Answer: A